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| Form 1449* | Atty. Docket No.: 103.009US1 | Serial No. 09/313,048 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets, if necessary) | Applicant: Dennis A. Carson et al. | |
| | Filing Date: May 17, 1999 | Group: 1611 |

U.S. PATENT DOCUMENTS

| **Examiner Initial | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate |
|-----------------------|-----------------|------------|------------------|-------|----------|-------------------------------|
| BS | 3,594,378 | 07/20/1971 | Laliberte et al. | 260 | 251 | 10/24/69 |
| BS | 3,919,201 | 11/11/1975 | Evans | 260 | 240 J | 10/29/73 |
| BS | 4,041,167 | 08/09/1977 | Moser et al. | 242 | 279 | 01/19/76 |
| BS | 4,103,016 | 07/25/1978 | Moser et al. | 424 | 270 | 12/22/76 |
| BS | 4,110,451 | 08/29/1978 | Moser et al. | 424 | 251 | 12/29/76 |
| BS | 4,111,693 | 09/05/1978 | Wright et al. | 96 | 1.6 | 12/22/76 |
| BS | 4,160,768 | 07/10/1979 | Moser et al. | 260 | 306.7 T | 03/02/78 |
| BS | 4,175,961 | 11/27/1979 | Wright et al. | 430 | 58 | 04/03/78 |
| BS | 4,224,334 | 09/23/1980 | Moser et al. | 424 | 270 | 04/02/79 |
| BS | 4,593,095 | 06/03/1986 | Snyder et al. | 544 | 272 | 02/18/83 |
| BS | 4,769,377 | 09/06/1988 | Snyder et al. | 514 | 263 | 02/03/86 |
| BS | 4,996,208 | 02/26/1991 | Lindner et al. | 514 | 258 | 06/19/89 |
| BS | 5,521,181 | 05/28/1996 | Meyer et al. | 514 | 249 | 01/27/95 |
| BS | 5,599,813 | 02/04/1997 | Matsumoto et al. | 514 | 232.5 | 04/01/94 |
| BS | 5,792,767 | 08/11/1998 | Meyer et al. | 514 | 249 | 06/05/95 |

FOREIGN PATENT DOCUMENTS

| **Examiner Initial | Document Number | Date | Country | Class | Subclass | Translation Yes No |
|-----------------------|-----------------|------------|----------|-----------------|-------------------|-------------------------|
| BS | 0188150 | 07/23/1986 | European | C07D | 513/04 | |
| BS | 0348746 | 01/03/1990 | European | C07D | 513/04 | |
| BS | 0733633 | 09/25/1996 | European | C07D | 487/04 | |
| BS | 0849256 | 06/24/1998 | European | C07C | 235/60 | |
| BS | 2038922 | 03/04/1971 | Germany | C07D | 091/42 | |
| BS | 93/06090 | 04/01/1993 | PCT | C07D | 239/54 | |

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

| **Examiner Initial | |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BS | Abdel-Fattah, A.M., et al., "Reactions with 6-Methyl-2-Thiouracil Synthesis of Dipyrimidino[2,1-b:1',2'-c]Thiazine. A New Ring System", <u>Phosphorus, Sulfur, and Silicon</u> , 72, pp. 145-156, (1992) |
| BS | Basyouni, W.M., et al., "Synthesis and Molluscicidal Properties of Some Newer Thiazoles and Their Thiazolo [5,4,-d] Pyrimidinone Derivatives", <u>Egypt. J. Bilh.</u> , 17, pp. 91-102, (1995) |
| BS | Bruns, R.F., "Adenosine Antagonism by Purines, Pteridines and Benzopteridines in Human Fibroblasts", <u>Biochemical Pharmacology</u> , 30, pp. 325-333, (1981) |

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| Examiner <u>Ben Schroeder</u> | Date Considered <u>5/25/00</u> |
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*Substitute Disclosure Statement Form (PTO-1449)

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| | |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BS | Flammang, R., et al., "Iminoethenethiones, RN==C==C==S: Characterization by Neutralization-Reionization Mass Spectrometry and G2(MP2) Theory", <u>Journal of the American Chemical Society</u> , 116 (5), pp. 2005-2013, (1994) |
| BS | Furrer, H., et al., "A new class of potent hypolipemic agents raising high-density lipoproteins. Synthesis, reactions and pharmacological properties", <u>Eur. J. Med. Chem.</u> , 29, pp. 819-829, (1994) |
| BS | Ghoneim, K.M., et al., "Study on the Formation of Thiazolopyrimidinediones and Pyrimidothiazinediones from 6-Methyl-2-thiouracil", <u>Polich. J. Chem.</u> , 72, pp. 1173-1177, (1997) |
| BS | Glennon, R.A., et al., "Alkylation Studies on 6-Ethyl-2,3-dihydrothiazolo-[3,2- α] pyrimidine-5,7-diones", <u>Journal of Heterocyclic Chemistry</u> , 16 (5), pp. 903-907, (July 1979) |
| BS | Goldman, I.M., "A Novel Thiazole Synthesis. 4,5,6,7-Tetrahydrothiazolo[4,5-d]pyrimidine-5,7-diones", <u>The Journal of Organic Chemistry</u> , 34 (11), pp. 3285-3289, (Nov. 1969) |
| BS | Grohe, K., et al., "Cycloacylierung von Enaminen, I Synthese von 2-Thiazolon-Derivaten", <u>Liebigs Ann. Chem.</u> , pp. 1018-1024, (1973) |
| BS | Itoh, T., et al., "Synthesis of Some Tricyclic Heterocycles from 5,6-Diamino-1,3-dimethyluracil", <u>Chem. Pharm. Bull.</u> , 37 (8), pp. 2197-2199, (August 1989) * |
| BS | Kaul, R., et al., "2- ¹⁴ C-1-Allyl-3,5-diethyl-6-chlorouracil II: Isolation and Structures of the Major Sulfur-Free and Three Minor Sulfur-Containing Metabolites and Mechanism of Biotransformation", <u>Journal of Pharmaceutical Sciences</u> , 71 (8), pp. 897-900, (Aug. 1982) |
| BS | Kaul, R., et al., "Mechanism of Formation of SCH ₃ -Metabolites Investigated on the Biotransformation of 1-Allyl-3,5-Diethyl-6-Chlorouracil in Rabbits", <u>Chemopshere</u> , 10 (8), pp. 929-934, (1981) |
| BS | Komoriya, K., et al., "Characterization of Immunomodulating Action of TI-31 on Antibody Response in Mice", <u>J. Pharmacobio-Dyn.</u> , 14, pp. 443-447, (1991) |

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| BS | Lewis, A.F., et al., "Thiazolo[4,5-d]pyrimidines. Part I. Synthesis and Anti-Human Cytomegalovirus (HCMV) Activity in vitro of Certain Alkyl Derivatives", <u>J. Heterocyclic Chem.</u> , 32, pp. 547-556, (Mar-Apr. 1995) | ✓ |
| BS | Mbagwu, G.O., et al., "Carbon-13 Nuclear Magnetic Resonance Spectra of Some Mesoionic Xanthine Analogs", <u>Organic Magnetic Resonance</u> , 21 (9), pp. 527-531, (1983) | ✓ |
| BS | Mbagwu, G.O., et al., "Studies of Amine-Induced Ring Opening of Some Mesoionic Xanthines", <u>J. Heterocyclic Chem.</u> , 22, pp. 465-474, (1985) | ✓ |
| BS | Mizuno, Y., et al., "Synthesis of a Potential Antitumor Agent: 4-(β -D-Ribofuranosyl)-4,5,6,7-tetrahydrothiazolo[4,5-d]pyrimidine-5,7-dione (Thioanalog of 3-Isoxanthosine)", <u>Chem. Pharm. Bull.</u> , 22 (5), pp. 1198-1200, (1974) | ✓ |
| BS | Nagahara, K., et al., "Thiazolo[4,5-d]pyrimidine Nucleosides. The Synthesis of Certain 3- β -D-Ribofuranosylthiazolo[4,5-d]pyrimidines as Potential Immunotherapeutic Agents", <u>J. Med. Chem.</u> , 33, pp. 407-415, (1990) | ✓ |
| BS | Sen, D., et al., "Effect of Mesoionic Xanthine Analogs on <i>Trypanosoma musculi</i> Development in Mice", <u>J. Euk. Microbiol.</u> , 40 (3), pp. 259-262, (1993) | ✓ |
| BS | Sudhakar Rao, T., et al., "Synthesis of 4,6-Disubstituted-7- β -D-ribofuranosyl- and Arabinofuranosylpyrazolo[3,4-d]pyrimidines and Certain Related Ribonucleosides", <u>J. Heterocyclic Chem.</u> , 28, pp. 1779-1788, (1991) | ✓ |
| BS | Szajda, M., et al., "Reactions of 2-Thiothymine with Esters of Chloroacetic Acid", <u>Polish Journal of Chemistry</u> , 52, pp. 1027-1031, (1983) | ✓ |
| BS | Takahashi, H., et al., "A One-Step Synthesis of Glycosylaminoisothiazolo[3,4-d]pyrimidines and Glycosylaminoisothiazoles", <u>Chem. Pharm. Bull.</u> , 27 (5), pp. 1147-1152, (1979) | ✓ |

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